Practice with Lists and Strings

CS303E: Elements of Computers and Programming
July 30, 2012

iClicker Question

Which code snippet evaluates to "f" if myString = "onafarm"?

A. myString[4]
B. myString.character("f")
C. myString[-3]
D. myString[3]

iClicker Question

What is the output?

myMatrix =   [["he", "she", "it"],
              ["him", "her", "it"],
              ["his", "hers", "its"]]
print myMatrix[2][1]

A. him   C. hers
B. she   D. s

iClicker Question

```
myStr = raw_input("Enter a name: ")
printName(myStr)

def printName(s):
    s=s.upper()
    print myStr
```

Assuming the user inputs "Sally", what is the output?

A. Sally   C. Error
B. SALLY   D. myStr

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iClicker Question

```
def f1():          def main():
  x = 3              f1()
  x = 4 + x          f2()

def f2():          main()
  y = x*2
  print y          A. 7       C. 21
                   B. 14      D. Error
```

Group Exercise

a) Create a main function that reads words from the user and places all words into a list. It should stop reading words when the user enters the empty string.

b) Create a function that accepts a list of words and, for each word, finds the number of vowels. The number of vowels in each word should be placed in a list, so that the number of vowels is in the same element as the word it represents. Return the list of counts.

c) Create a function that accepts a list of numbers and sums the numbers in the list. It should print the sum.

d) In your main function, add code to call the function you created in (b) with the list of input, and code to accept its return value and then pass that data into the function you created in (c).

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